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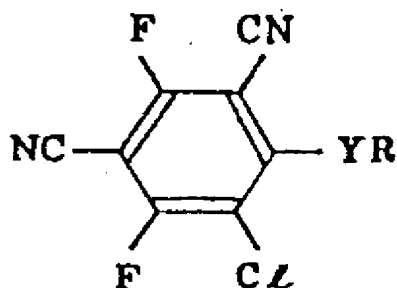
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APPLICANT : SDS BIOTECH KK;

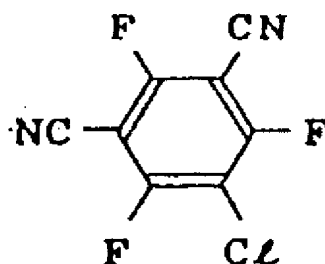
INVENTOR : NAMITO HIROSHI;

INT.CL. : A01N 37/34 // C07C121/75
C07C149/415

TITLE : BACTERICIDAL AND FUNGICIDAL
AGENT



I



II

ABSTRACT : PURPOSE: To obtain a bactericidal and fungicidal agent useful as a bactericidal and mildew-proofing agent for various industrial chemicals and their raw materials, etc., and agricultural fungicide, etc., by using an isophthalonitrile compound (a novel substance) as an active component.

CONSTITUTION: The objective bactericidal and fungicidal agent contains a compound of formula I (Y is O or S; R is alkyl, alkenyl, alkynyl, haloalkyl, phenyl, etc.) (e.g. 5-chloro-2,6-difluoro-4-methoxyisophthalonitrile) as an active component. The above agent has especially excellent fungicidal activity, broad active spectrum, extremely high stability against ultraviolet radiation and excellent durability of the activity. The compound of formula I is used as it is or together with solid, liquid or gaseous substrate in the form of powder, wettable powder, tablet, oil solution, gas agent, aerosol, fumigant, etc. The compound of formula I is a novel substance and can be produced by reacting the compound of formula II with a compound of formula H-YR.

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